

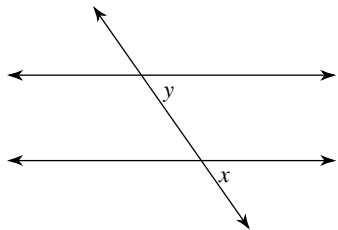
# Angle Relationships within Parallel Lines

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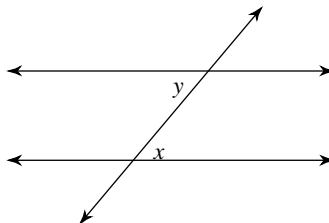
Date \_\_\_\_\_ Period \_\_\_\_\_

**Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.**

1)

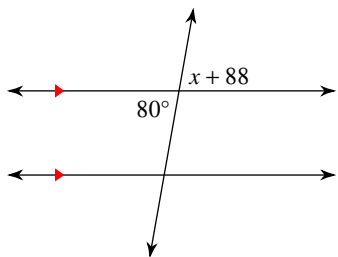


2)

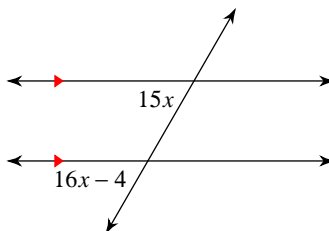


**Solve for x.**

3)

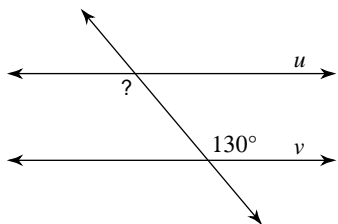


4)

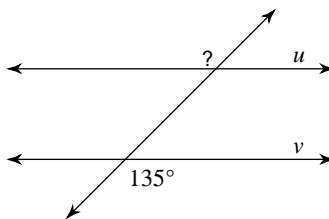


**Find the measure of the indicated angle that makes lines u and v parallel.**

5)

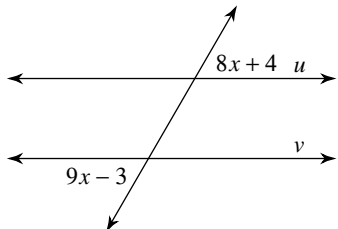


6)

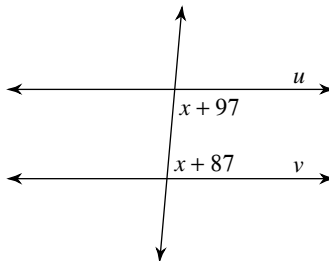


**Find the value of x that makes lines u and v parallel.**

7)



8)



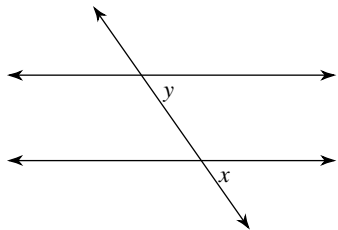
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

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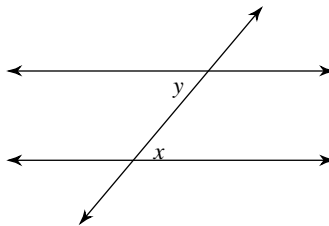
Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

1)



corresponding

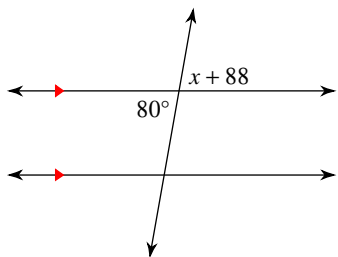
2)



alternate exterior

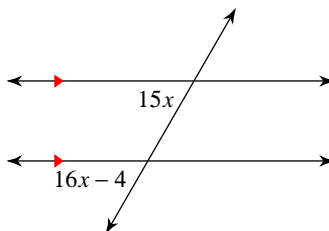
Solve for  $x$ .

3)



-8

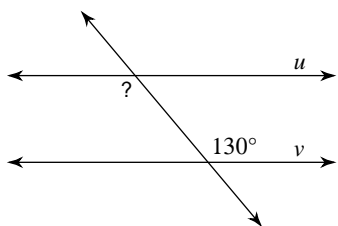
4)



4

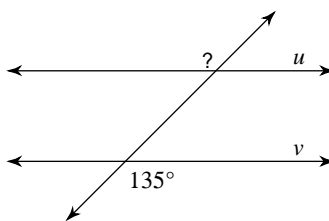
Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

5)



130°

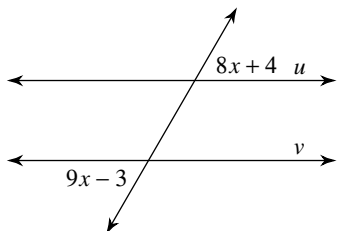
6)



135°

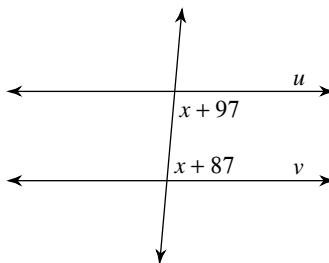
Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



7

8)



-2

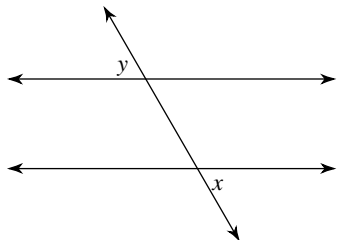
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

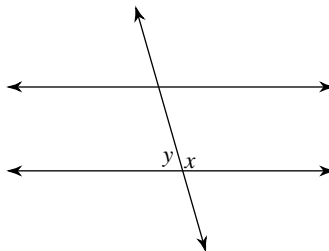
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**Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.**

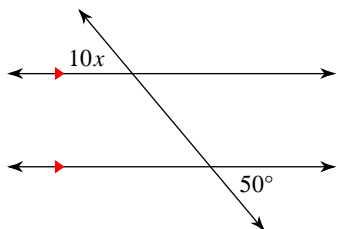
1)



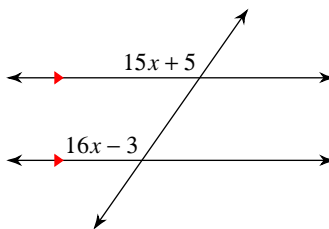
2)

**Solve for x.**

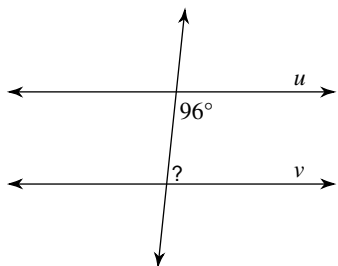
3)



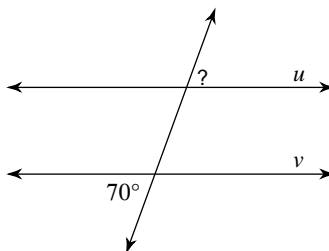
4)

**Find the measure of the indicated angle that makes lines u and v parallel.**

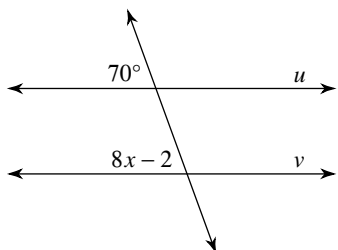
5)



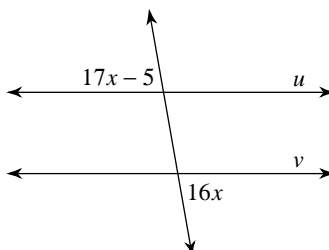
6)

**Find the value of x that makes lines u and v parallel.**

7)



8)



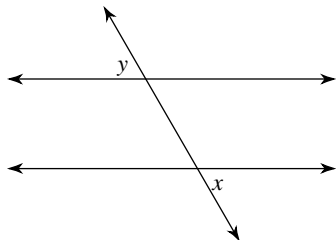
# Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

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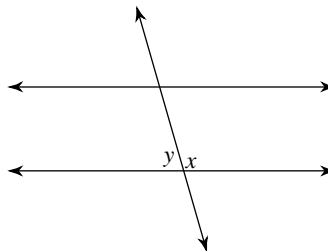
**Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.**

1)



alternate exterior

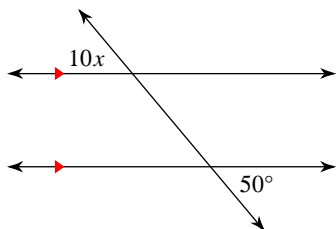
2)



adjacent

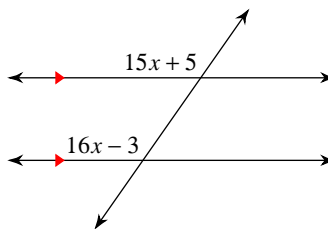
**Solve for x.**

3)



5

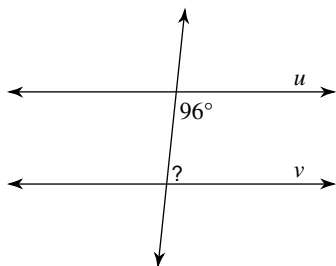
4)



8

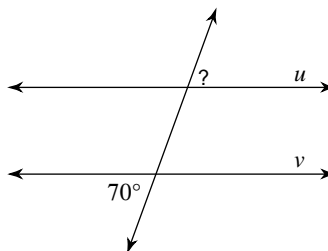
**Find the measure of the indicated angle that makes lines u and v parallel.**

5)



84°

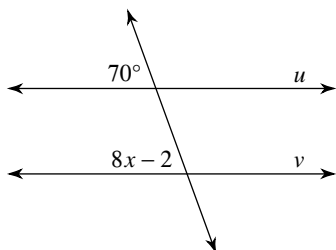
6)



70°

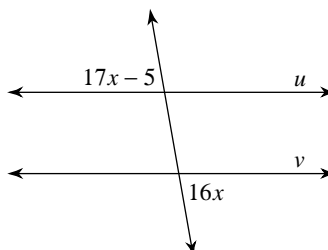
**Find the value of x that makes lines u and v parallel.**

7)



9

8)



5

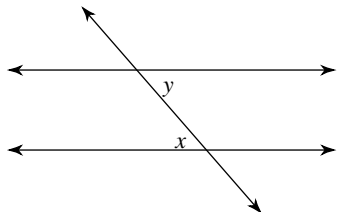
# Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

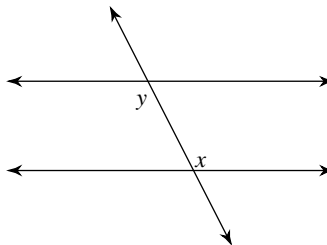
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**Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.**

1)

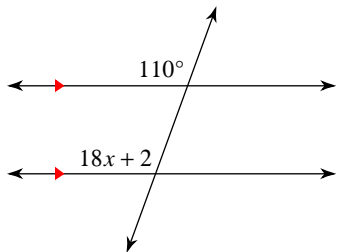


2)

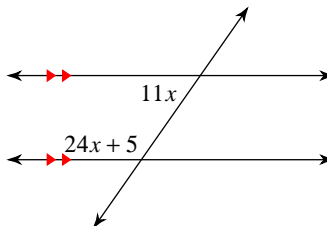


**Solve for  $x$ .**

3)

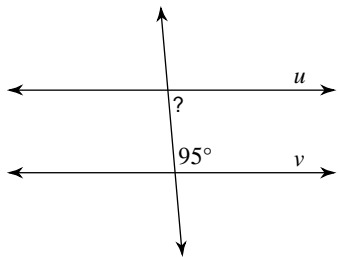


4)

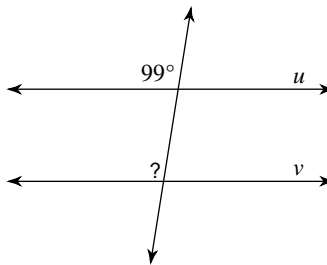


**Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.**

5)

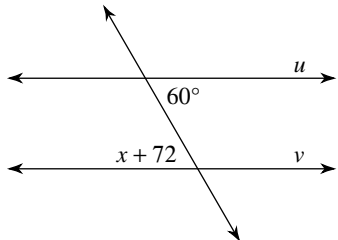


6)

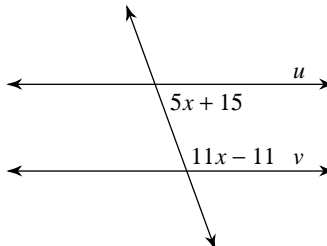


**Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.**

7)



8)



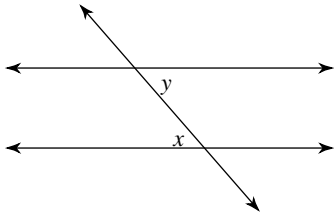
# Angle Relationships within Parallel Lines

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Date \_\_\_\_\_ Period \_\_\_\_\_

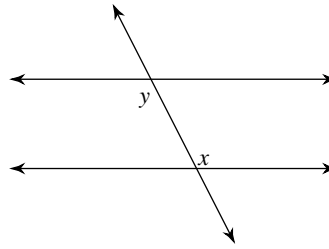
**Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.**

1)



alternate interior

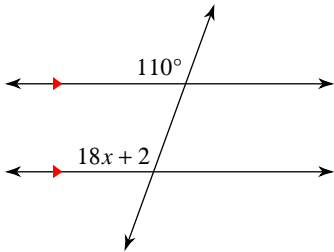
2)



alternate interior

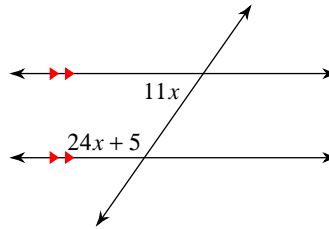
**Solve for  $x$ .**

3)



6

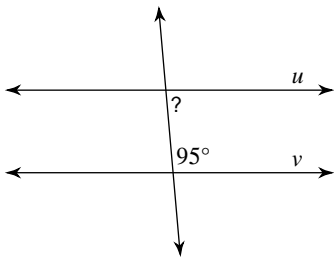
4)



5

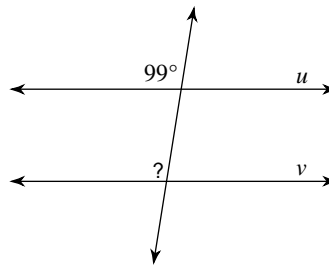
**Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.**

5)



85°

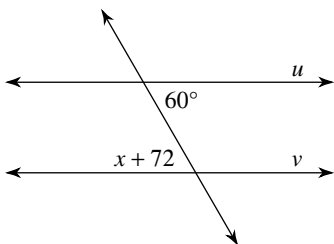
6)



99°

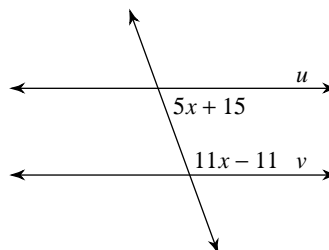
**Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.**

7)



-12

8)



11

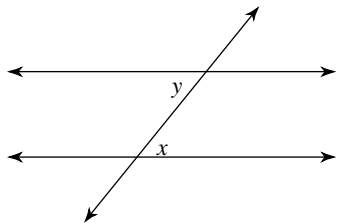
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

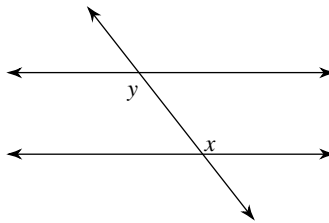
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Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

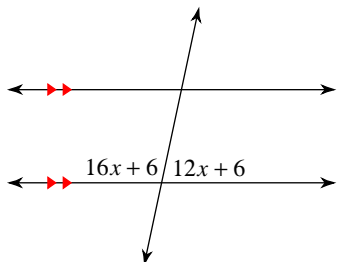
1)



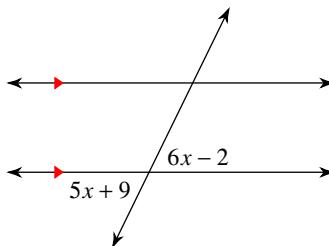
2)

Solve for  $x$ .

3)

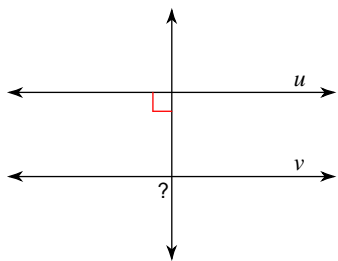


4)

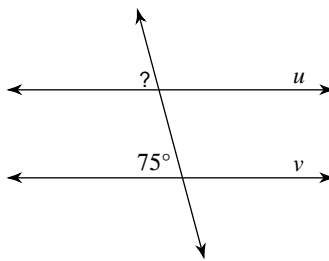


Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

5)

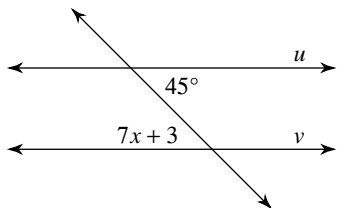


6)

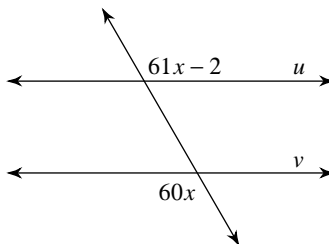


Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



8)



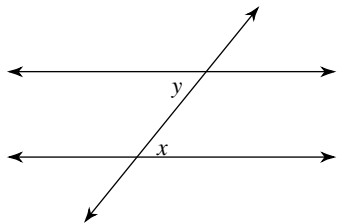
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

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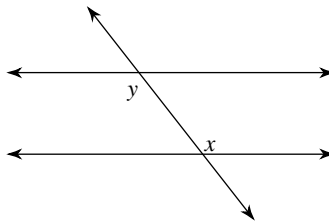
Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

1)



alternate interior

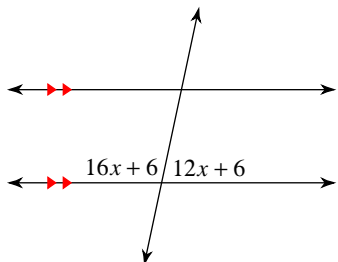
2)



alternate interior

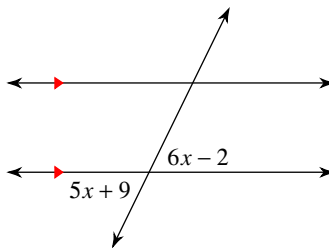
Solve for  $x$ .

3)



6

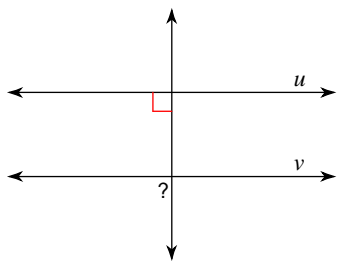
4)



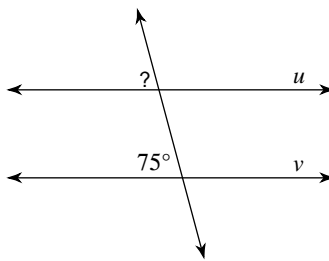
11

Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

5)

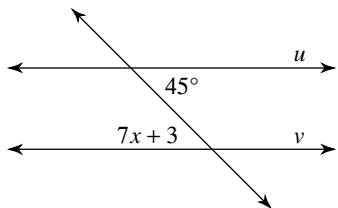
 $90^\circ$ 

6)

 $75^\circ$ 

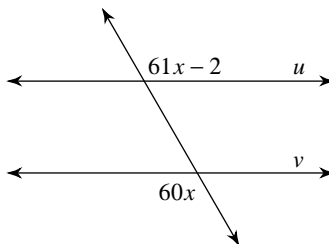
Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



6

8)



2



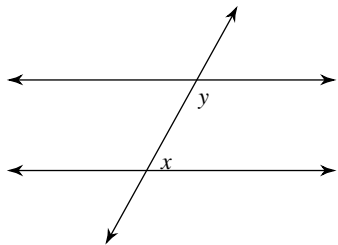
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

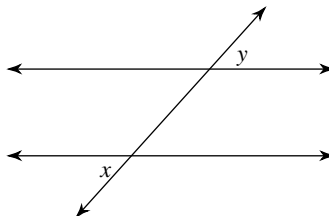
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Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

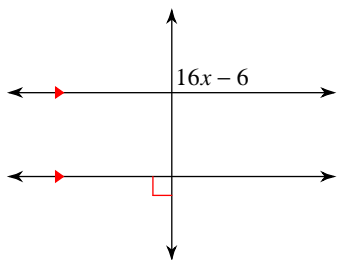
1)



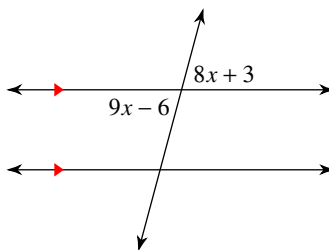
2)

Solve for  $x$ .

3)

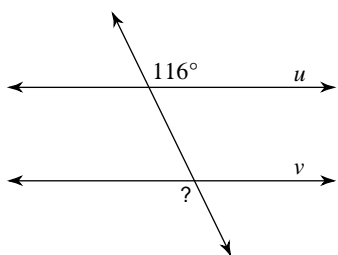


4)

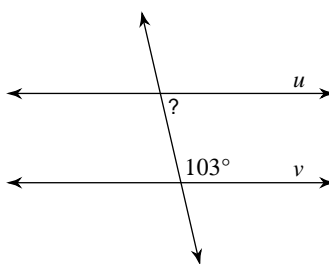


Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

5)

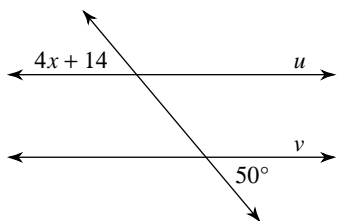


6)

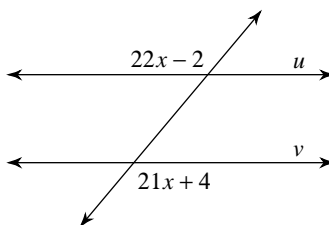


Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



8)



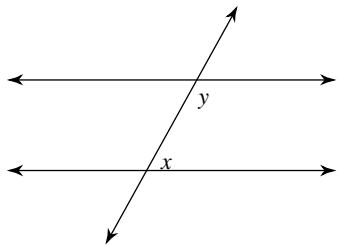
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

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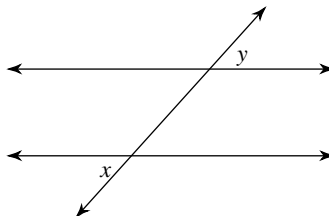
Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

1)



consecutive interior

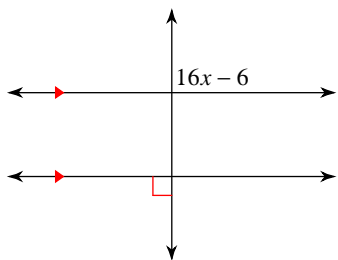
2)



alternate exterior

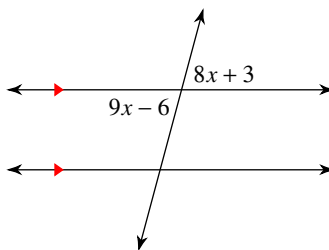
Solve for  $x$ .

3)



6

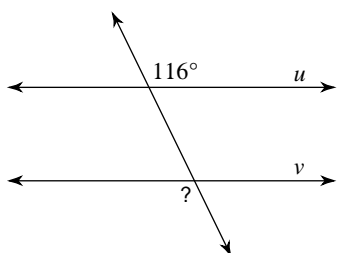
4)



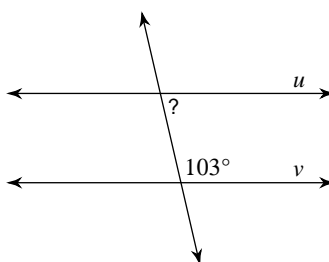
9

Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

5)

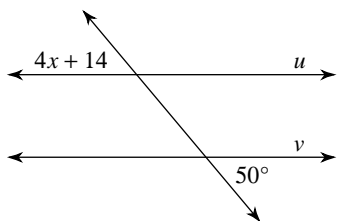
 $116^\circ$ 

6)

 $77^\circ$ 

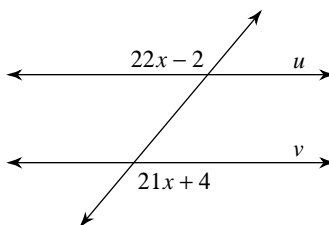
Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



9

8)



6

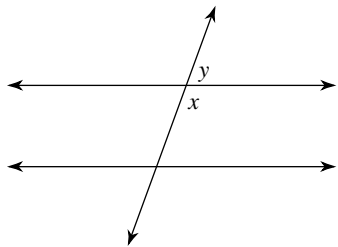
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

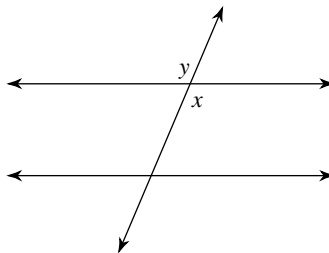
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Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

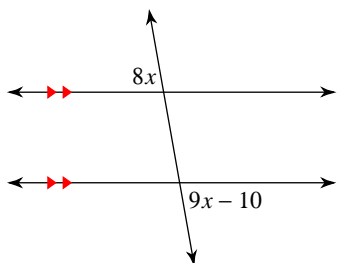
1)



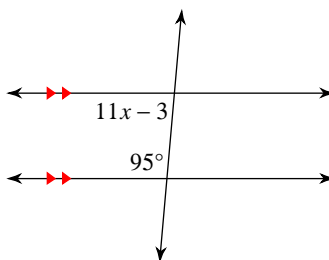
2)

Solve for  $x$ .

3)

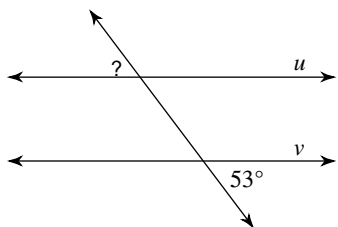


4)

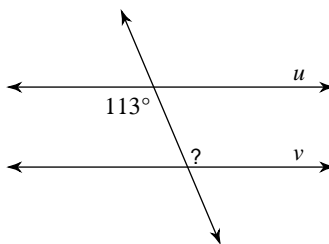


Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

5)

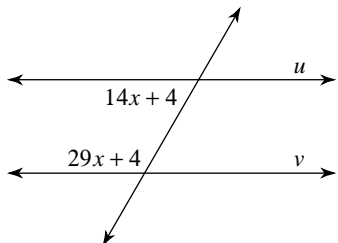


6)

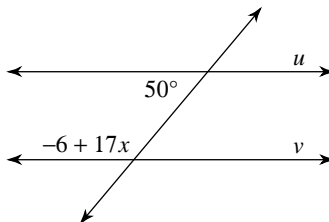


Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



8)



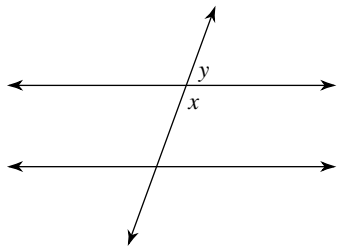
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

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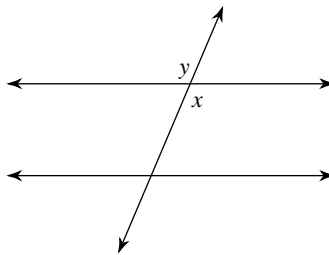
Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

1)



adjacent

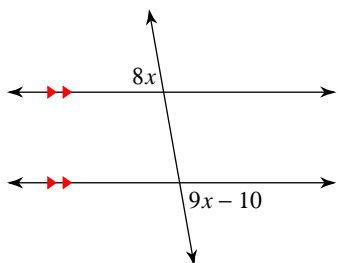
2)



vertical

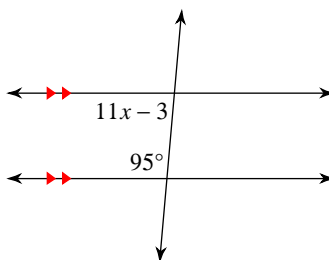
Solve for  $x$ .

3)



10

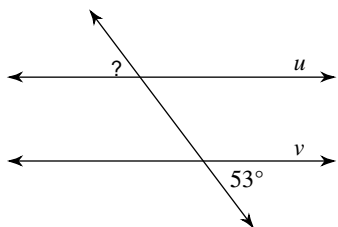
4)



8

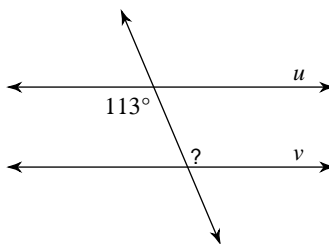
Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

5)



53°

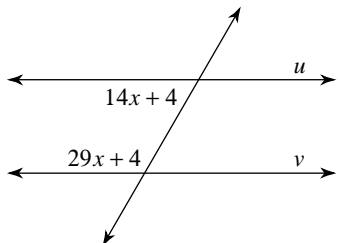
6)



113°

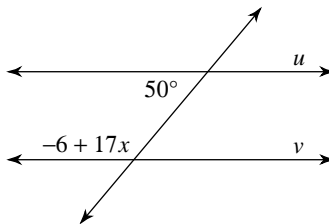
Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



4

8)



8

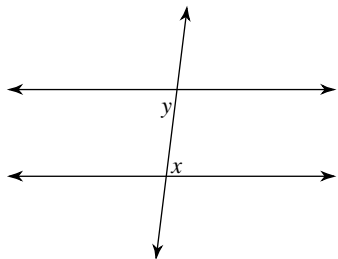
# Angle Relationships within Parallel Lines

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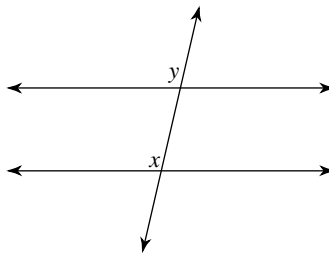
Date \_\_\_\_\_ Period \_\_\_\_\_

**Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.**

1)

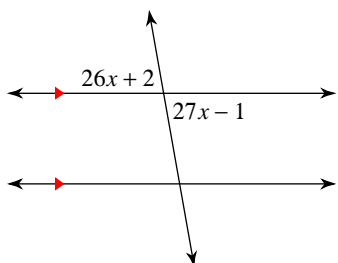


2)

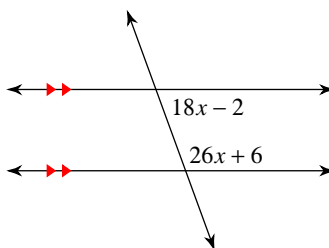


**Solve for x.**

3)

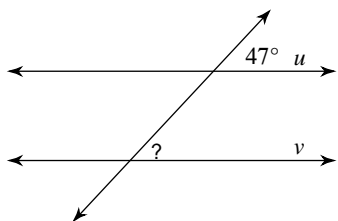


4)

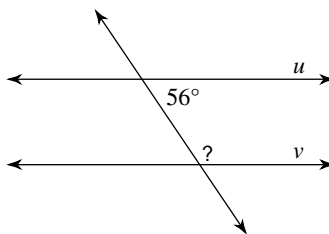


**Find the measure of the indicated angle that makes lines u and v parallel.**

5)

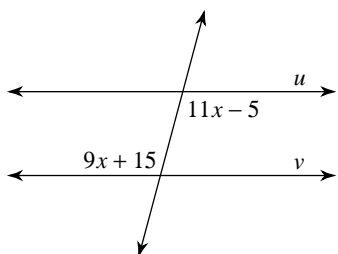


6)

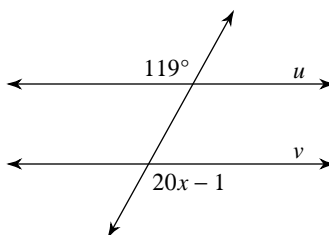


**Find the value of x that makes lines u and v parallel.**

7)



8)



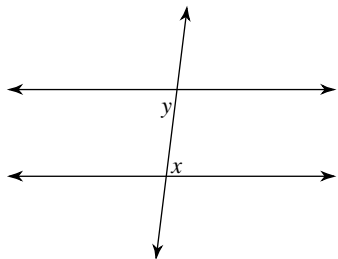
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

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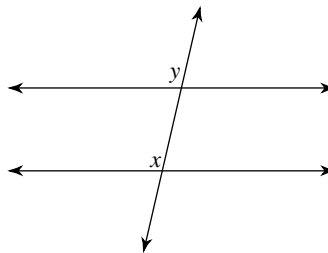
Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

1)



alternate interior

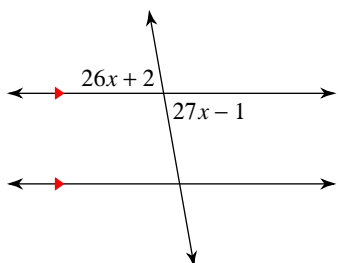
2)



corresponding

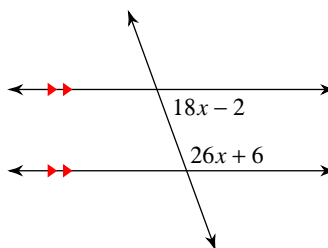
Solve for  $x$ .

3)



3

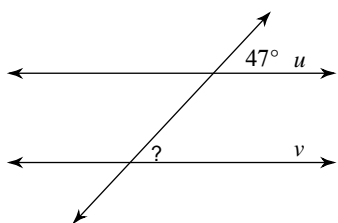
4)



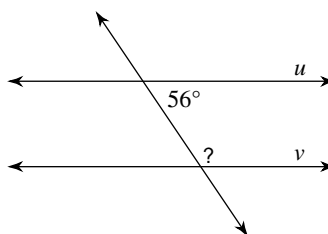
4

Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

5)

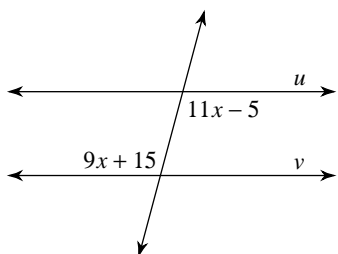
 $47^\circ$ 

6)

 $124^\circ$ 

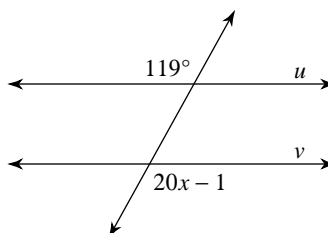
Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



10

8)



6

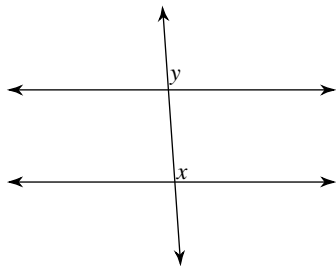
# Angle Relationships within Parallel Lines

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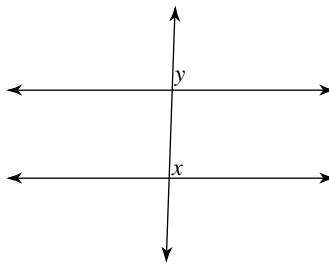
Date \_\_\_\_\_ Period \_\_\_\_\_

**Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.**

1)

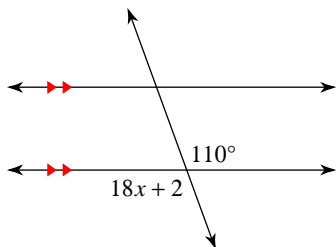


2)

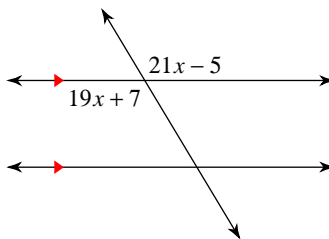


**Solve for  $x$ .**

3)

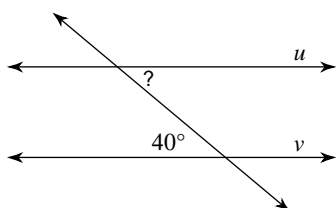


4)

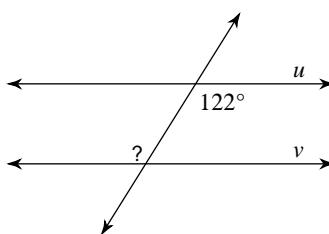


**Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.**

5)

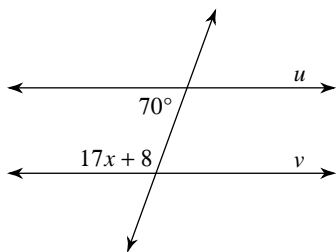


6)

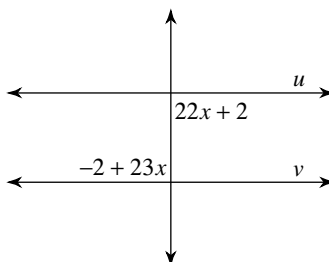


**Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.**

7)



8)



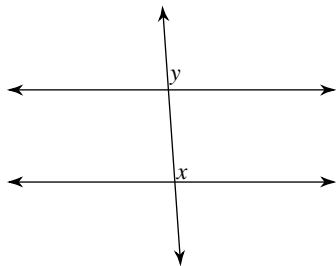
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

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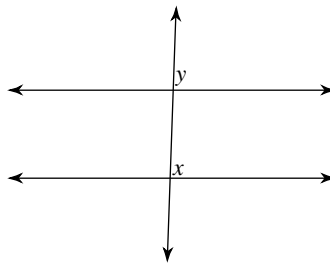
Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

1)



corresponding

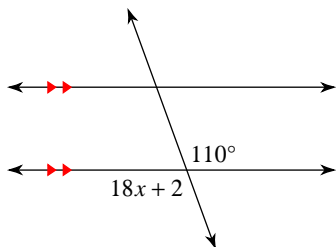
2)



corresponding

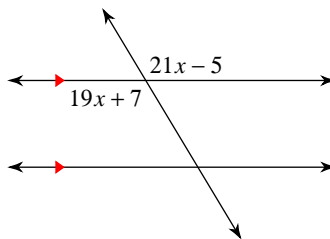
Solve for  $x$ .

3)



6

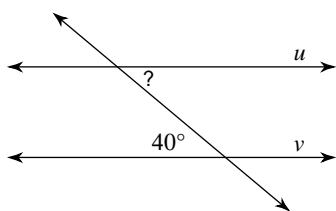
4)



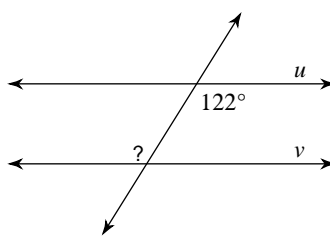
6

Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

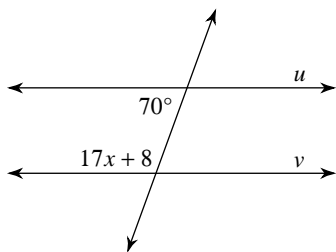
5)

 $40^\circ$ 

6)

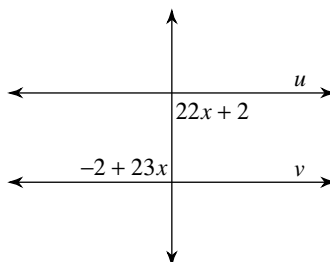
 $122^\circ$ Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



6

8)



4



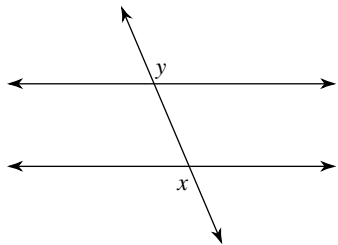
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

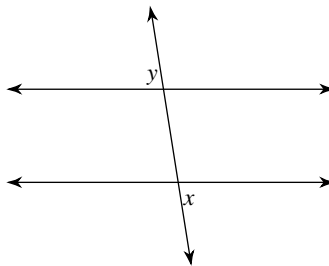
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Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

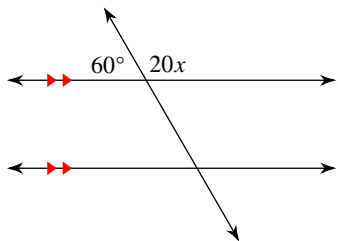
1)



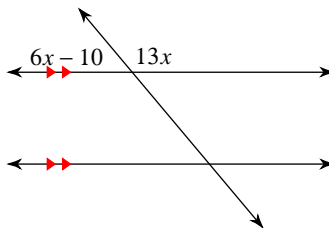
2)

Solve for  $x$ .

3)

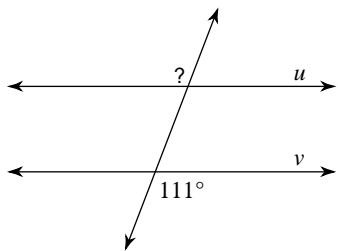


4)

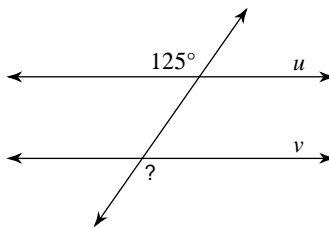


Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

5)

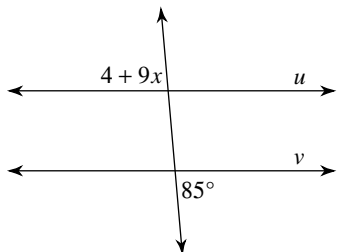


6)

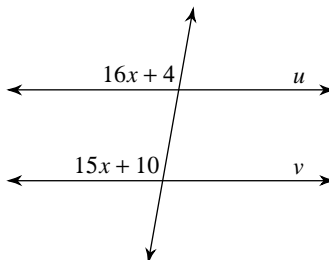


Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



8)



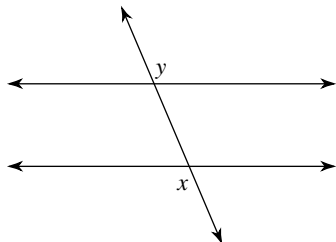
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

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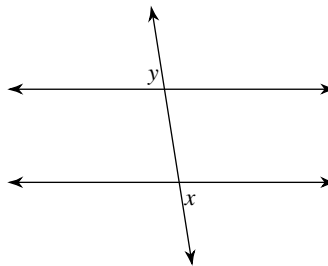
Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

1)



alternate exterior

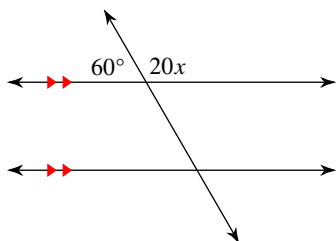
2)



alternate exterior

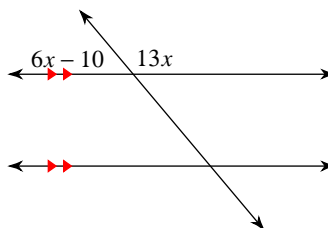
Solve for  $x$ .

3)



6

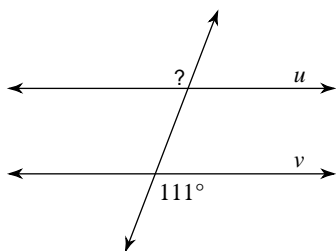
4)



10

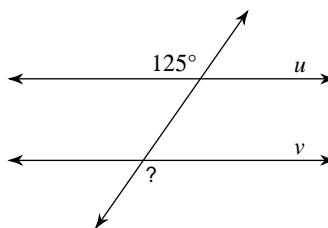
Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

5)



111°

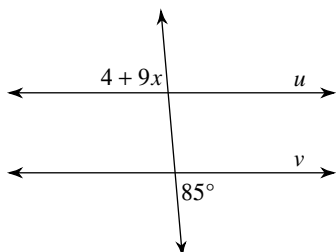
6)



125°

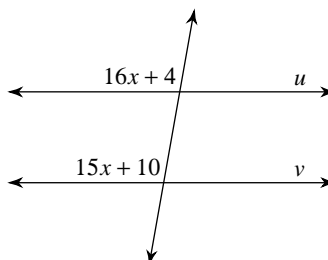
Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



9

8)



6

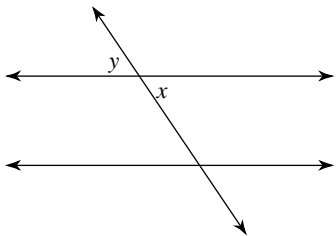
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

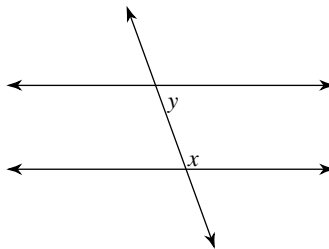
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Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

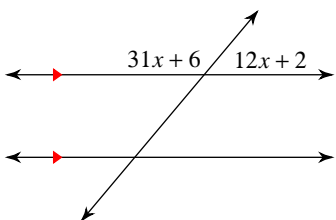
1)



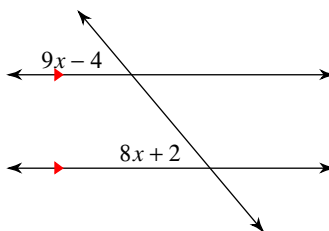
2)

Solve for  $x$ .

3)

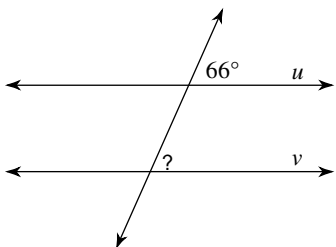


4)

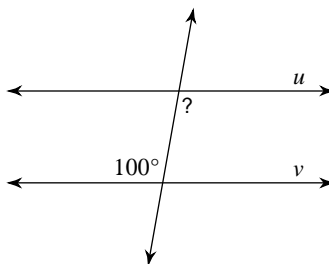


Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

5)

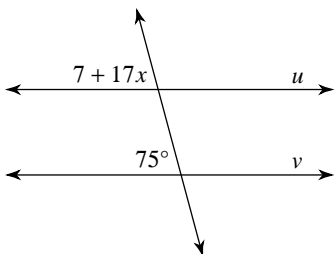


6)

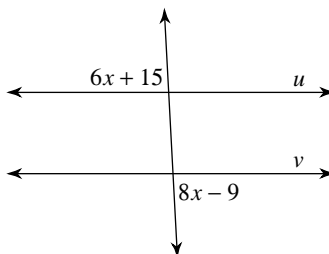


Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



8)



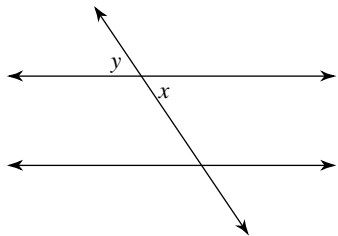
## Angle Relationships within Parallel Lines

Date \_\_\_\_\_ Period \_\_\_\_\_

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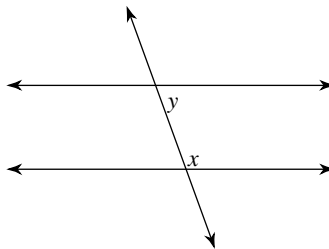
Identify each pair of angles as corresponding, alternate interior, alternate exterior, consecutive interior, vertical, or adjacent.

1)



vertical

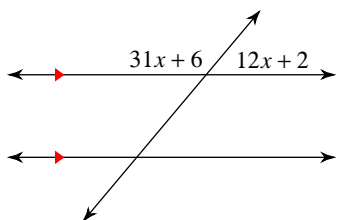
2)



consecutive interior

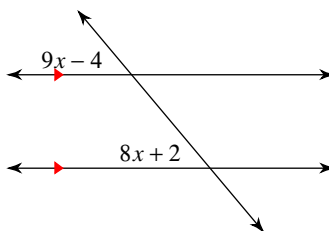
Solve for  $x$ .

3)



4

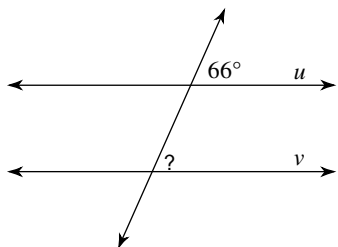
4)



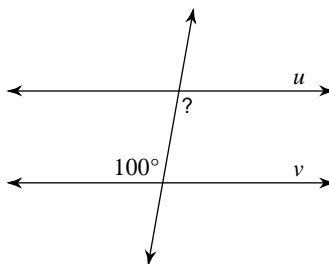
6

Find the measure of the indicated angle that makes lines  $u$  and  $v$  parallel.

5)

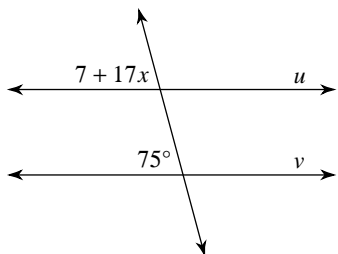
 $66^\circ$ 

6)

 $100^\circ$ 

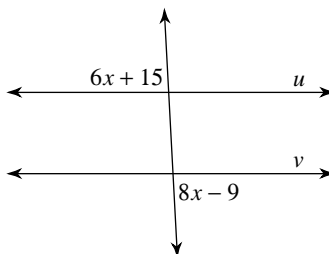
Find the value of  $x$  that makes lines  $u$  and  $v$  parallel.

7)



4

8)



12